Units producing less Power than their installed capacity

†1558. SHRI RAVI SHANKAR PRASAD Will the Minister of POWER be pleased to state.

(a) whether Government have identified those power generating units in the country, which generate power than their installed generation capacity;

(b) the number of State Electricity Boards, institutions of Central Government and institutions of private sector to which these units belong;

(c) the quantum of power generation which is less than their average installed generation capacity; and

(d) the number of institutions out of the above sought to be revamped during the Tenth Five Year Plan?

THE MINISTER OF POWER (SHRI P.M. SAYEED): (a) Yes, Sir.

(b) to (d) The most commonly used indicator to report performance levels of thermal stations is Plant Load Factor (PLF) expressed as a percentage of actual capacity production hours in a year. The average PLF for thermal power stations in the country during the period April-July, 2004 was 74.5%. Annual generation target for the power stations is fixed keeping in view the planned/forced outages during the year, vintage of the units, etc. Generation during the period April-July, 2004 for thermal power stations was 99 9% of the target. In hydro power stations, the generation depends upon the availability of water and inflows in reservoir based hydro stations

Hydro units identified for Renovation & Modernization, Uprating and Life Extension for completion during 10th Plan are given in Statement-I (*See* below)

90 Thermal Units which are generating less power than their installed capacity have been identified by the Central Electricity Authority in consultation with the power utilities for Life Extension Programme (LEP) during 10th Plan in order to make them capable for operating at their installed capacity. The list of such units is given in Statement-II (*See* below).

In addition to above 90 Units, the Life Extension works on Unit Nos. 6, 7 & 8 of Kothagundem TPS of Andhra Pradesh and Unit Nos. 1,4 and 6 of Korba (East) of Chhattisgarh have already been completed during 10th Plan.

Statement-I

Hydro Units identified for R&M/Up-rating/RES./L.E. for completion during Tenth Plan

Sl. No.	Name of the Station	Unit No.(s)	Installed Capacity of effected units (MW)	Total Capacity R&M / LE before (MW)	Capacity After R&M / LE (MW)	Benefits (MW)	Completion Schedule	Scheme category	Remarks
J&K									
1.	Salal Ph.II (NHPC)	All	3x115+3x115= 690	621 (from all Units) (from 80 all Units)	3x115+ 3x115= 690 33x38=114	69 (Res.) 25(Res.)+ 9(U)	2006-07 3/2007 2006-07	R&M+Res. RM&U+ Res.	On going On going U-2 completed
2.	Lower Jhelum	All	3x35=105						
PUNJAB									
3.	Ganguwal U-1 (BBMB)	1	1x29.25=29 25	1x25.89=25.89	1x27.99= 27.99	25 89 (LE)+ 2.10 (Res.)	2006-07 (6/2006)	RM&LE+ Res.	On going
4.	Kotla U-1 (BBMB)	1	1x29.25=29.25	1×26.61=26.61	1x28.94= 28 94	26.61(LE)+ 2.33 (Res)	2006-07 (11.06)	RM& LE+Res	On going
MANIPUR									
5.	LOKTAK, (NHPC)	All	3X35=105	3X35=105	3X35=105	159 (Res)	2006-07 (37/07)	R&M+Res.	On going

Statement-II

Thermal units which are generating less power than their installed capacity and have been planned for life extension during tenth plan

Sl. No.	Name of Station	Unit No.	Installed Capacity (MW)
	DELHI		
1.	Badarpur	1	100
2.		2	100
3.		3	100
	TOTAL—DELHI	3 units	300
	HARYANA		
4.	Panipat	1	110
5.		3	110
6.		4	110
7.	Faridabad	1	60
8.		2	60
9.		3	60
	TOTAL—HARYANA	6 units	510
	PUNJAB		
10.	Bhatinda	1	110
11.		2	110
12.		3	110
13.		4	110
	TOTAL—PUNJAB	4 units	440
	U.P.		
14.	Obra	1	50
15.		2	50

Sl. No.	Name of Station	Unit No.	Installed Capacity (MW)
16.		3	50
17.		4	50
18.		5	50
19.		6	100
20.		7	100
21.		8	100
22.		9	200
23.		10	200
24.		11	200
25.		12	200
26.		13	200
27.	Panki	3	110
28.		4	110
29.	H' Gunj	1	50
30.		3	60
31.		4	60
32.		5	60
33.		7	110
	TOTAL-U.P.	20 units	2110
	MAHARASHTRA		
34.	Nasik	1	140
35.		2	140
36.	Paras	2	62.5
37.	Bhusawal	1	62.5
38.	Koradi	1	120
39.		2	120
40.		3	120
41.		4	120
	TOTAL-MAHARASHTRA	8 units	885

Sl. No.	Name of Station	Unit No.	Installed Capacity (MW)
	M.P.		
42.	Satpura	1	62.5
43.		2	62.5
44.		3	62.5
45.		4	62.5
46.		5	62.5
47.	Amarkantak	1	30
48.		2	30
49.		3	120
50.		4	120
	TOTAL-M.P.	9 units	612.5
	GUJARAT		
51.	Gandhinagar	1	120
52.		2	120
53.	Dhuvaran	1	63.5
54.		2	63.5
55.		3	63.5
56.		4	63.5
57.		5	140
58.		6	140
59.	Ukai	1	120
60.		2	120
	TOTAL-GUJARAT	10 units	1014
	TAMIL NADU		
61.	Ennore	1	60
62.		2	60
	TOTAL-TAMIL NADU	2 units	120

Sl. No.	Name of Station	Unit No.	Installed Capacity (MW)
	BIHAR		
63.	Barauni	4	50
64.		5	50
	TOTAL BIHAR	2 units	100
	WEST BENGAL		
65.	Santaldih	1	120
66.		2	120
67.		3	120
68.	Bandel	1	82.5
69		2	82.5
70.		3	82.5
71.		4	82.5
72.	Durgapur-DVC	3	140
	TOTAL - WEST BENGAL	8 units	830
	JHARKHAND		
73.	Chandrapura (DVC)	1	140
74.		2	140
75.		3	140
76		4	120
77.		5	120
78		6	120
79.	Bokaro	1	57.5
80.		2	57.5
81.		3	57.5
82.	Patratu	4	50
83.		5	100

Sl. No.	Name of Station	Unit No.	Installed Capacity (MW)
84.		6	100
85.		7	110
86.		8	110
	TOTAL-JHARKHAND	14 units	1422.5
	ASSAM		
87.	Chandrapur-ASEB	1	30
88.	Namrup	1	23
89.	Bongaigaon	1	60
90.		2	60
	TOTAL-ASSAM	4 units	173

Additional technical assistance for reforms and restructuring of Power Sector in Karnataka

1559. SHRIMATI PREMA CARIAPPA: Will the Minister of POWER be pleased to state:

(a) whether the proposal for Additional Technical Assistance Loan (TA Loan) of US$ 2 million for the reforms and restructuring of Power Sector in Karnataka is pending with Government;

(b) if so, the details thereof; and

(c) by when the approval will be given by Government?

THE MINISTER OF POWER (SHRI P.M. SAYEED) (a) to (c) Yes, Sir. The request of Government of Karnataka for Additional Technical Assistance Loan (TA Loan) of US$ 2 million for Karnataka Power Sector Reforms and Restructuring Programme and for extension of project period has been received.

Government of India has considered the request of Government of Karnataka. The request for extension of project period has been agreed to. However, the request for additional provision of US$ 2 million for the project was not accepted.